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# The University of Minnesota

DEPARTMENT OF AGRICULTURE

## WEST CENTRAL SCHOOL AND STATION

MORRIS, MINNESOTA

1912-1913



BULLETIN OF THE UNIVERSITY OF MINNESOTA

VOL. XV, NO. 17. SEPTEMBER 1912

Entered at the Post Office  
in Minneapolis as second-class matter  
MINNEAPOLIS, MINN.



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## THE UNIVERSITY

THE UNIVERSITY OF MINNESOTA comprises the following named schools, colleges, and departments:

THE COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

THE COLLEGE OF ENGINEERING AND THE MECHANIC ARTS

THE DEPARTMENT OF AGRICULTURE, including—

THE COLLEGE OF AGRICULTURE

THE COLLEGE OF FORESTRY, including—

FOREST EXPERIMENT STATIONS AT ITASCA AND CLOQUET

THE SCHOOL OF AGRICULTURE, including—

THE DAIRY SCHOOL

THE SHORT COURSE FOR FARMERS

TEACHERS' SUMMER TRAINING SCHOOL

THE SCHOOL OF TRACTION ENGINEERING

THE SCHOOL OF AGRICULTURE, CROOKSTON

THE SCHOOL OF AGRICULTURE, MORRIS

THE EXPERIMENT STATIONS, including—

THE MAIN STATION AT ST. ANTHONY PARK

THE SUB-STATION AT CROOKSTON

THE SUB-STATION AT GRAND RAPIDS

THE SUB-STATION AT DULUTH

THE SUB-STATION AT WASECA

THE SUB-STATION AT ZUMBRA HEIGHTS

AGRICULTURAL EXTENSION

BUREAU OF RESEARCH IN AGRICULTURAL ECONOMICS

THE LAW SCHOOL

THE COLLEGE OF MEDICINE AND SURGERY, including—

THE SCHOOL FOR NURSES

THE COLLEGE OF DENTISTRY

THE COLLEGE OF PHARMACY

THE SCHOOL OF MINES, including—

MINNESOTA SCHOOL OF MINES EXPERIMENT STATION

THE SCHOOL OF ANALYTICAL AND APPLIED CHEMISTRY

THE COLLEGE OF EDUCATION

THE GRADUATE SCHOOL

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THE GEOLOGICAL AND NATURAL HISTORY SURVEY



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# THE WEST CENTRAL SCHOOL AND STATION

GEORGE EDGAR VINCENT, Ph.D., LL.D., President, University of Minnesota

ALBERT F. WOODS, M.A., Dean and Director, Department of Agriculture

EDGAR C. HIGBIE, M.A., Superintendent, West Central School and Station

## FACULTY

### DEPARTMENT OF ENGLISH

*English:* IRMA HATHORN, B.A.

*Literature:* DOROTHY R. HUDSON, B.A.

*Librarian:* ELIZABETH MOTT

### DEPARTMENT OF ANIMAL HUSBANDRY

*Beef Husbandry:*

*Dairy Husbandry:* R. H. GIBBERSON, B.Agr.

*Poultry:* S. IRWIN SNORTUM

*Swine:* E. A. MOLDENHAUER

### DEPARTMENT OF AGRONOMY

*Farm Grains and Farm Management:* PAUL E. MILLER, B.S.

*Agricultural Botany:*

*Soils:*

*Farm Accounts:* S. IRWIN SNORTUM

### DEPARTMENT OF AGRICULTURAL ENGINEERING

*Farm Mechanics:* ARTHUR WOODMAN, B.S.

*Carpentry:* O. O. BYE

### DEPARTMENT OF HOME ECONOMICS

*Household Art:* IRMA HATHORN, B.A.

*Domestic Art:* SUSAN WILDER, B.S.

*Domestic Science:* MARGARET JONES, B.S.

### DEPARTMENT OF MUSIC

*Piano:* INA BRYNILDSEN

*Chorus:* ELIZABETH MOTT

## OFFICERS OF ADMINISTRATION

S. IRWIN SNORTUM, Accountant

ERNEST MOLDENHAUER, Farm Foreman

O. O. BYE, Superintendent of Buildings

GEORGIANA L. SHARROTT, Matron

MARTHA M. BEECHER, Office Clerk

# SCHOOL CALENDAR

1912-13

October	1	Tuesday	First term opens; Registration
October	2	Wednesday	Organization of Classes
October	28	Monday	Field Day
November	28	Thursday	Thanksgiving Day
December	21	Saturday	First term closes
January	2	Thursday	Second term opens; Registration
January	3	Friday	Organization of Classes
February	22	Saturday	Washington's Birthday
March	18	Tuesday	Inter-Society Debate
March	19	Wednesday	Class Play
March	21	Friday	Commencement Day
March	24	Monday	Opening of Junior Short Course
March	29	Saturday	Closing of Junior Short Course



## GENERAL INFORMATION

### PURPOSE

The West Central School of Agriculture is an institution established primarily for the training of young men and women for the profession of farming. The courses are planned and the subjects are taught with the purpose of making the students masters of this work. The courses are sufficiently extended to give, not only a fairly complete technical equipment in the business of production, but a working basis in the economic and sociologic aspects of farm life. It is felt that the farmer of the future must have a broad grasp of his profession in its relationships with other callings, as well as a realization of the possibilities of its social development.

### LOCATION

The School is admirably situated to serve about seventeen counties of the west central part of the State. The Great Northern Railway through connections with the Chicago, Milwaukee, and St. Paul Railroad gives good service to the southeast, south, southwest, west, and northwest. The Northern Pacific Railway through connections with the Soo Line and other roads gives very satisfactory service to the portion of the State lying north and northeast of Morris.

The School itself adjoins the city of Morris and is situated upon a natural rise of ground overlooking the Pomme de Terre Valley. When the present plans are carried into effect, the campus will be a very beautiful place indeed with its fifteen or twenty buildings and pleasant drives.

### TIME OF OPENING

The School of Agriculture will open Tuesday, October 1st, and close for the fall term Saturday, December 21st. The winter term will open Thursday, January 2d, and close Saturday, March 21st. This gives six months of school work at a time when the students can best be spared from home.

### *Special Information*

Old or new students planning to attend the School of Agriculture should write at once to the Registrar asking him to reserve a room. The first term will open Tuesday, October 1st, and classes will be organized the following day. It is hoped to have everything in readiness this year so there will be no delay in getting the work started.

Each dormitory room is furnished with two single beds, dresser, table, chairs, curtains, sheets, bed spreads, pillows and pillow cases.

Each student should bring with him quilts or blankets for one single bed, napkins and napkin rings, towels, comb, brush, and other toilet articles.

Preference as to room-mates should be stated early and will be considered so far as possible.

All trains will be met by special committees and conveyances Tuesday, October 1st. If possible, be on hand the first day.

## HOLIDAYS

Lincoln's and Washington's birthdays are legal holidays and will be appropriately observed. On Thanksgiving Day no classes will be held, but school will continue as usual on Friday and Saturday following.

## DORMITORIES

Two new dormitories, one for young men and one for young women, will be ready for occupancy in October. Each will be in charge of one of the members of the Faculty. These buildings are modern, three-story structures, splendidly equipped and heated by the Central Heating Plant. They will accommodate about one hundred and fifty students.

## HOME LIFE ON THE CAMPUS

The life of the students while attending the School of Agriculture is subject to supervision. Everything is done to promote a healthful, moral atmosphere. The use of tobacco and spirituous liquors of all kinds is strictly forbidden. Anyone not in accord with these restrictions and not willing to lend a hand toward strong, moral growth should not come to the School of Agriculture.

## EXPENSES

The expenses at the institution are made as moderate as feasible. They include the following items:

Incidental fee (yearly).....	\$5.00
Board, light, heat, and flat laundry (weekly).....	3.50
Laboratory fees for woodwork, blacksmithing, sewing, cooking, chemistry, corn studies, or dairying per term .....	\$1.00 to 3.00
Text-book rental per term.....	1.00
Deposit (yearly).....	5.00
Hospital fee.....	1.00
Piano lessons per term.....	10.00
Piano rental per term.....	2.00

Text-books may be purchased or rented as the student desires.

The \$5.00 deposit is required as a protection against breakages, book

losses, etc. Unless deductions are made, it will be returned in full at the end of the year. Each month's board is paid in advance. The buildings are lighted by electric lights and warmed by steam. No deduction in charges is made for any absence of less than five days.

A fee of \$1.00 per term is collected from each resident student and is used as a hospital fund. This fund will be administered under direction of the hospital committee which shall consist of the matron, the preceptress, and four others elected from the student body. A general statement of regulations so far as such regulations can be determined will be posted at the beginning of the year.

Students will buy their own stationery, drawing material, etc.

### STUDENTS' DEBATING SOCIETIES

Students are urged to unite with one of the literary societies of the school for both pleasure and profit. They afford a training in conducting meetings, parliamentary law, and public speaking, obtainable in no other way.

An Inter-Society Debate cup for the promotion of interest in civic and political questions has been offered by the Superintendent. This will become the property of the society winning it three successive times. The Vincent Literary Society now holds the cup, having won it the first time the spring of 1912.

### LIBRARY

The library is well equipped to supply the needs of the students. A large number of books have been selected to meet the requirements of the various departments. These, with the government and station reports, are all classified and available for use by instructors and students.

The librarian is always ready to give whatever assistance she can in directing students in the selection of the books they may need in the pursuit of their work.

### LECTURE COURSE

During the school year a lecture and entertainment course, consisting of four or five numbers, is given at a cost of one dollar for the series. These entertainments are strictly high grade and furnish a pleasant relaxation from regular school work.

### DEPARTMENT OF MUSIC

The organization of the Department of Music will be completed this year and the work put upon a definite credit basis. Instruction will be given in both singing and instrumental lines. The chorus work will

be in charge of Miss Mott. She will conduct glee clubs and chapel music and direct the various other singing activities. Piano instruction will be given by Miss Brynildsen. Two half hours per week will be required for credit, and a fee of \$10.00 per term for the lessons and \$2.00 per term for piano rental will be charged. Special rooms will be set aside for the piano instruction and practice, making it possible to do good, thorough work. Miss Brynildsen has had extended preparation for her work and teaching experience, completing the Teachers' Normal Piano Course at the Minneapolis School of Music, Oratory, and Dramatic Art in 1910.

### SUMMER SESSION FOR TEACHERS

The first annual summer session for rural school teachers was held at the West Central School for six weeks, beginning June 17th. Credit courses were offered in a number of the subjects and Teachers' Courses in Agriculture, Manual Training, and Home Economics were a part of the work. This work will be continued from year to year and ultimately expanded to give a very complete training for rural and consolidated school teachers.

### SUMMER DRESSMAKING COURSE

During the 1912 Summer Session a Dressmaking Course was conducted. About twenty young ladies were enrolled. It is planned to make this a permanent feature in future years, giving students complete courses in commercial dressmaking.

### ADMISSION

The West Central Minnesota School of Agriculture is an institution established for the training of farmers and farmers' wives. At present the rural schools are unable to do much advanced work. It is hoped that they will improve their courses through consolidation and association and ultimately make it possible for the School of Agriculture to set higher standards of admission, but, until such is the case, the School must accept any mature young man or woman even though he or she might find it hard to pass entrance tests. Students above sixteen years of age will be welcomed even though they may not be able to show graduation from the usual eighth grade work. Whenever possible, prospective students should present county or high school certificates in the common branches. These will admit to the regular work without conditions.

### REQUIREMENTS FOR GRADUATION

First—The completion of the prescribed course of study, with an honorable standing in deportment.

Second—An essay of not less than one thousand words, upon a topic connected with Agriculture or Home Economics, typewritten on paper of approved size for binding and filing in the library.

Third—For young men, a practical experience in field work at the Station Farm or elsewhere, as shall appear in reports received from responsible sources.

It is essential that the student should do some work of a practical nature during the vacations following the first and second school years respectively. Students will be given credit for this work just the same as for other school work. Blanks giving an outline of the work in detail and blanks for certification are furnished to all students.

It is expected that all the boys in the School will devote their vacations to actual farm work, or to some form of agricultural work, and the girls to some line or lines of work such as making bread for the family, canning fruits or vegetables, and other home-making pursuits.

## EXPERIMENT STATION

Three hundred acres of land are laid out for experimental and demonstration purposes. At present three main lines are followed:

1. *Crop Rotation and Farm Management*.—One hundred acres are divided into five-year rotation with a dairy herd in connection. This is to demonstrate what seems to be the ideal for the newer agriculture, namely, smaller farms intensively handled with live stock to help maintain soil fertility.

2. *Better Seed Selection*.—Pure seeds are being grown with a hope that the Station may lead in an effort toward the general improvement of the quality of farm seeds.

3. *Nitrogen Gathering Crops*.—Clovers, alfalfas, and other leguminous crops are receiving attention in order to restore the nitrogen content of the soil, to improve the physical texture of the land, and to give a source of excellent stock food.



# COURSES OF STUDY

## FOR YOUNG MEN

### *First Year*

- 1 English
- 2 Industrial Geography
- 3 Accounts; Physiology
- 4 Botany and Corn Studies
- 5 Farm Crops
- 6 Carpentry and Blacksmithing

### *Second Year*

- 1 English
- 2 Industrial History
- 3 Vegetable Gardening and Fruit
- 4 Animal Husbandry
- 5 Dairying and Farm Structures
- 6 Physics

### *Third Year*

- 1 English
- 2 Chemistry
- 3 Government and Legal Forms
- 4 Accounts and Farm Management
- 5 Poultry and Horse Husbandry
- 6 Soils

### *Advanced Years*

#### *Fourth Year*

- 1 English Literature
- 2 Algebra
- 3 Chemistry and Physics
- 4 Landscape Gardening and Forestry
- 5 Economics

#### *Fifth Year*

- 1 English Literature
- 2 Rural Sociology
- 3 Geometry
- 4 Farm Management
- 5 Elective



## FOR YOUNG WOMEN

*First Year*

- 1 English
- 2 Industrial Geography
- 3 Home Accounts and Physiology
- 4 Agricultural Botany or Music
- 5 Laundering and Sanitation
- 6 Sewing and Cooking

*Second Year*

- 1 English
- 2 Industrial History
- 3 Vegetable and Fruit Gardening or Music
- 4 Dairying and Bacteriology
- 5 House Planning and Decoration and Home Nursing
- 6 Sewing and Cooking

*Third Year*

- 1 English
- 2 Food Chemistry
- 3 Government and Legal Forms
- 4 Household Physics or Music
- 5 Poultry and Home Management
- 6 Sewing and Cooking

*Advanced Course**Fourth Year*

- 1 English Literature
- 2 Algebra
- 3 Economics
- 4 Textiles and Millinery
- 5 Landscape Gardening and Forestry or Music

*Fifth Year*

- 1 English Literature
- 2 Geometry
- 3 Rural Sociology
- 4 Dressmaking
- 5 Elective

## STUDENTS

Students in attendance at the West Central School of Agriculture, Morris, Minnesota,  
1911-1912—91

Aanerud, Agnes, Donnelly  
Anderson, Harry, Donnelly  
Anderson, Walter, Murdock  
Andert, Lena, Morris  
Andert, Paul, Morris  
Bennett, Chester H., Lowry  
Boe, Oscar J., Alberta  
Bolstad, Selfred H., Dawson  
Brandt, Alice, Morris  
Brandt, Elmer F., Morris  
Brandt, Lawrence, Donnelly  
Brevig, Joseph, Starbuck  
Brevig, Ole, Starbuck  
Carlson, Hilda, Morris  
Crosette, William E., Chokio  
Dunken, Otto, Chokio  
Durkee, Albert B., Hancock  
Eck, Emelia A., Morris  
Engebretson, Christian M., Starbuck  
Estenson, Alice, Hancock  
Everett, Ervin, Donnelly  
Eystad, Charles, Alberta  
Farwell, Olive, Alberta  
Farwell, Walter, Alberta  
Field, Frank, New London  
Forney, Paul, Hornick, Iowa  
Gausman, Amy, Morris  
Gausman, Edward A., Morris  
Gausman, Emil, Morris  
Gillette, John D., Beardsley  
Gordon, Mrs. Olga, Lisbon, N. D.  
Grandjean, Charles H., Hancock  
Halloway, Fred B., Holloway  
Hanse, Melvin L., Morris  
Hauck, Reuben, Madison  
Haug, Clemens, Duluth  
Hogan, John E., Morris  
Hoxtell, Gordon B., Clinton  
Hubbard, Mildred L., Hancock  
Isherwood, Earl, Morris  
Jallo, Ole, Alberta  
Jenk, Dedrick P., Beardsley  
Johnson, Harry A., Hancock  
Jongeward, William, Morris  
Jongeward, Hubert F., Morris

Judd, Earl, Morris  
Kleven, Bertha, Starbuck  
Kleven, Gilbert S., Starbuck  
Kleven, William O., Starbuck  
Knight, Frank, Morris  
Koll, Victor, Morris  
Larson, Einar, Starbuck  
Larson, Elmer, Murdock  
Larson, Reuben, Murdock  
Leuty, George W., Morris  
Lewis, Ida G., Morris  
Lien, Alma, Starbuck  
Mallery, Stanley, Albert Lea  
McIver, George, Lowry  
Mecklinburg, Emil, Hancock  
Nordeen, Ernest, Spicer  
Nygard, Petra M., Starbuck  
Nysteum, Joyce, Morris  
O'Brien, John T., Morris  
Olson, Ida, Morris  
Opheim, Clifford, Cyrus  
Otteson, Elmer, Starbuck  
Page, Howard, Hancock  
Page, Mayme, Hancock  
Peterson, Bueford, Murdock  
Quitney, Gerhart, Lowry  
Ranum, Arthur, Starbuck  
Reisrud, Agnes M., Starbuck  
Schliep, Peter, Holloway  
Scott, Eugene W., Hancock  
Sharrot, Herald E., Morris  
Sherman, Lewis, Beardsley  
Simonson, Judith, Starbuck  
Sovey, Joseph, Artichoke Lake  
Steen, Anna, Clinton  
Strand, Francis A., Benson  
Subak, Herman, Chokio  
Svenning, Olga, Glenwood  
Tessem, Cora, Starbuck  
Thompson, Albert, Starbuck  
Thompson, Selma, Starbuck  
Vinji, Pearl, Morris  
Wendt, William, Donnelly  
Wetmore, Henry, Morris  
Will, Martha, Morris

Zahl, Henry F., Morris

## JUNIOR SHORT COURSE, 1912—32

Anderson, Carl, Hancock  
Anderson, Clara, Alberta  
Anderson, Oliver, Benson

Asmus, Olga, Chokio  
Bengston, Beda, Benson  
Brandt, Edith, Morris

Cornell, Fred, Benson  
 DeCamp, Clifford, Chokio  
 Erdahl, Albert, Chokio  
 Eystad, Cora, Alberta  
 Eystad, George, Alberta  
 Eystad, John, Alberta  
 Eystad, Joseph, Alberta  
 Eystad, William, Alberta  
 Horn, Irma, Chokio  
 Horn, Loretta, Chokio  
 Hubbard, Albert, Hancock  
 Hubbard, Grace, Hancock  
 Kaweng, John, Tintah

Loehr, William, Chokio  
 Metzger, Margaret, Chokio  
 Mickelson, Alfred, Benson  
 Oldhaver, Esther, Chokio  
 Peterson, Evylen, Wolverton  
 Rolan, Carl, Clinton  
 Rolan, Elmer, Clinton  
 Staples, Marie, Wolverton  
 Strand, Oscar, Benson  
 Thronsdon, Howard, Morris  
 Thronsdon, Lawrence, Morris  
 Tucker, Lucy, Tintah  
 Tucker, Mary, Tintah

## SUMMER SCHOOL STUDENTS, 1912—405

Anderson, Emma, Donnelly  
 Anderson, Mabel H., Farwell  
 Bengtson, Huldah O., Barrett  
 Berg, Hannah, Morris  
 Berg, Sena, Morris  
 Brennan, Margaret, Graceville  
 Britt, Ethel E., Chokio  
 Brom, Olga, Morris  
 Bruns, Marie F., Morris  
 Buckley, Alice, Alberta  
 Buckley, Mae, Alberta  
 Buroker, Edith, Benson  
 Cairney, Julia, Morris  
 Casey, Susan, Morris  
 Clemans, Glada B., Hancock  
 Clemans, Vanissa B., Hancock  
 Connoles, Helen, Conrad, Montana  
 Cook, Evelyn M., Norcross  
 Coyne, Hilda, Barry  
 Danzeisen, Jessie, Herman  
 Deely, Catherine, Morris  
 Dewane, Mary, Morris  
 Erickson, Effie, Hancock  
 Erickson, Ethel M., Hancock  
 Erickson, Selma G., Milan  
 Estep, Mabel, Herman  
 Farley, Margaret, Chokio  
 Fehling, Mabel, Louisberg  
 Fenton, Minnie, Hancock  
 Flynn, Rebecca M., Morris  
 Gagen, Evangeline, Morris  
 Gagen, Jannette, Morris  
 Gallagher, Lauretta, Danvers  
 Galvin, Stella, Morris  
 Gaughan, Anna, Morris  
 Geenty, Anna, Graceville  
 Giddings, Ines, Graceville  
 Giddings, Silence, Graceville  
 Haack, Bertha M., Morris  
 Haack, Rosa, Morris  
 Hagen, Marie, Morris  
 Haldorson, Alma, Hancock  
 Heuer, Addie, Chokio

Heuer, Clara, Chokio  
 Hilleren, Susan, Benson  
 Isherwood, Adeline, Morris  
 Isherwood, Earl, Morris  
 Johnson, Annie E., Donnelly  
 Johnson, Clara, Appleton  
 Johnson, Ella A., Hancock  
 Johnson, Mabel C., Milan  
 Johnson, Signe, White Rock, S. D.  
 Judish, Adeline, Danvers  
 Just, Elizabeth, Morris  
 Keefe, Alice R., Graceville  
 Kiernan, Thomas F., Watkins  
 Klein, Julia Robert, Hancock  
 Klein, Rose Topsy, Hancock  
 Klevan, Gena, Starbuck  
 Lerass, Mollie, Herman  
 Lindquist, Phyllis, Diamond, S. D.  
 Lynch, Margaret, DeGraff  
 McAloon, Nellie, Barry  
 McNally, Alice, Chokio  
 Maloney, Grace, Morris  
 Maughan, Louise, Morris  
 Mich, Clara, Donnelly  
 Modahl, Alice, Alexandria  
 Moran, Gertrude, Graceville  
 Moran, Mary R., Graceville  
 Moran, Rose, Graceville  
 Nelson, Esther, Hancock  
 Nelson, Mabel, Clontarf  
 Nelson, Nina, Morris  
 Norton, Marie C., Hancock  
 Nygard, Constance, Starbuck  
 Olen, Marie J., Benson  
 Olen, Othelia, Benson  
 Olson, Ida, Chokio  
 Ormond, Edna M., Artichoke Lake  
 Ostgulen, Oscar B., Glenwood  
 Page, Mayme, Hancock  
 Palmer, Ruth D., La Crosse  
 Peterson, Albert L., Artichoke Lake  
 Peterson, Gena, Appleton  
 Peterson, Laura, Collis

Peterson, Mary T., Litchfield  
 Peterson, Olga M. V., Murdock  
 Rasmussen, Regina, Kensington  
 Rotramel, Mae, Morris  
 Sauter, Barbara, Morris  
 Sauter, Bathilda, Morris  
 Slawson, Inez, Morris  
 Sommerfeld, Lena, Sleepy Eye  
 Stende, Anton, Maynard

Stenger, Margaret M., Morris  
 Stoneberg, Lawrence, Chokio  
 Strandberg, Edith E., Morris  
 Sullivan, Ella, Barry  
 Sutherland, Margaret, Hancock  
 Taffe, Mary R., Barry  
 Trainor, Teresa, Graceville  
 Varnum, Melissa Cap, Hancock  
 Westberg, Florence A., Norcross

Woods, Laura, Morris

#### SPECIAL DRESSMAKING STUDENTS AT SUMMER SCHOOL, 1912—19

Berg, Ella, Morris  
 Blackwelder, Cleda, Johnson  
 Buckley, Alice, Alberta  
 Erickson, Ethel, Hancock  
 Gagen, Jannette, Morris  
 Galvin, Stella, Morris  
 Hagen, Marie, Morris  
 Jongeward, Jannette, Morris  
 Landis, Stella, Morris

Lee, Selma, Morris  
 Lyon, Mayme, Morris  
 McCarthy, Mayme, Morris  
 McNally, Alice, Chokio  
 Mahoney, Margaret, Morris  
 Nelson, Esther P., Morris  
 Nygard, Constance, Starbuck  
 Olson, Mary, Chokio  
 Ortman, Florence, Morris

Trainor, Teresa, Graceville







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